

Figure 1A

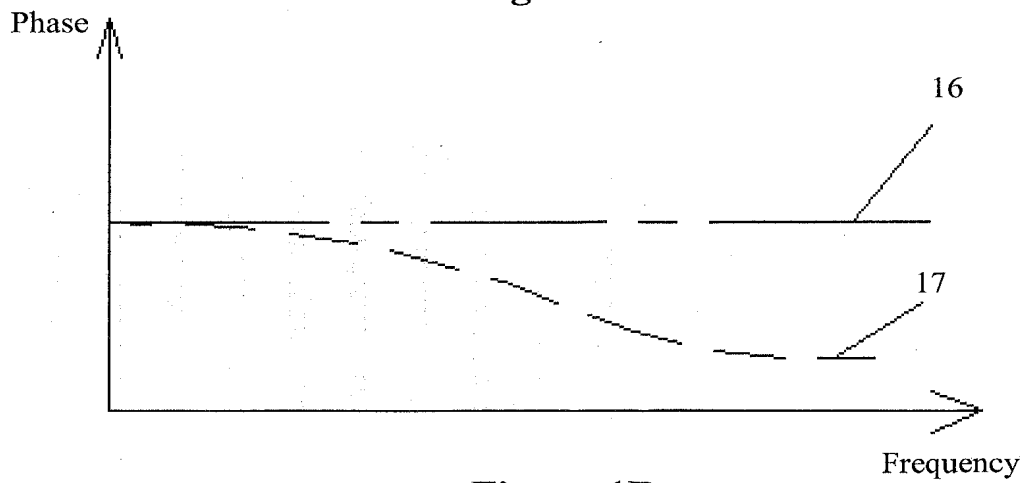


Figure 1B

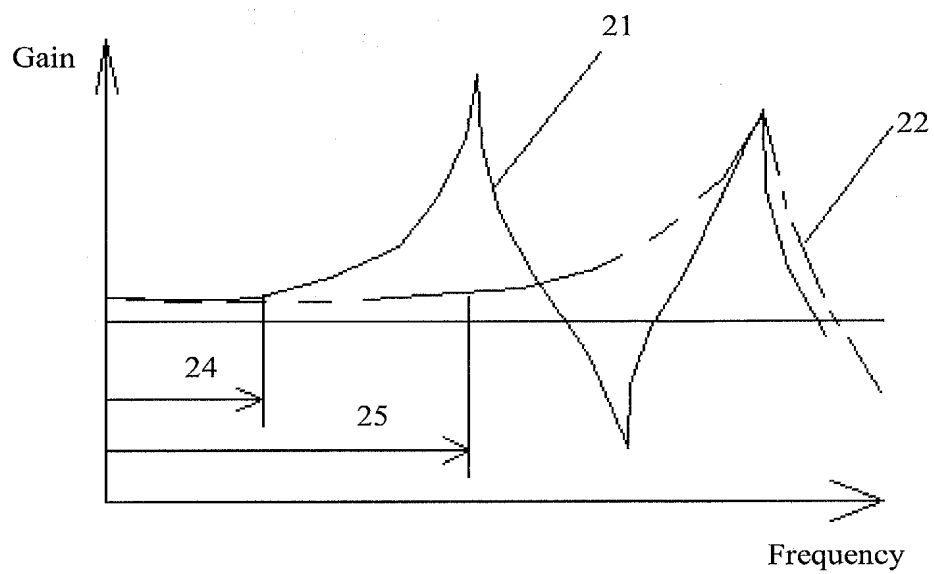


Figure 2A

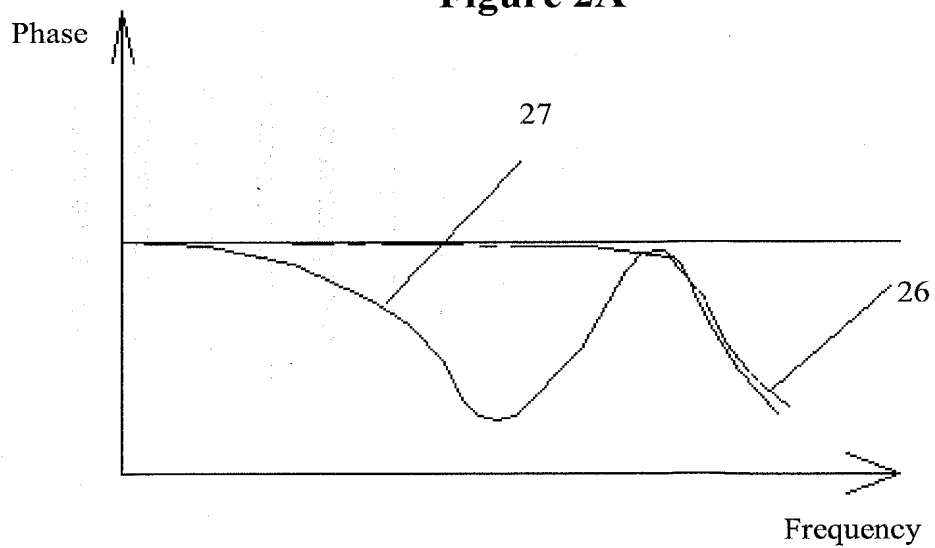


Figure 2B

10042001 00000000

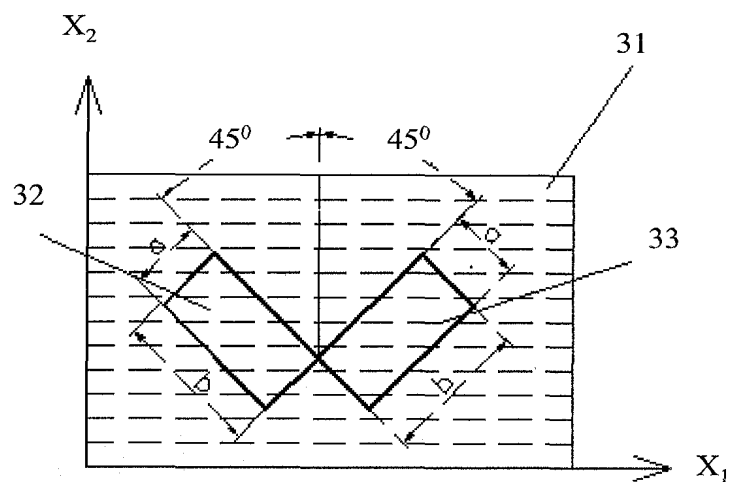


Figure 3A

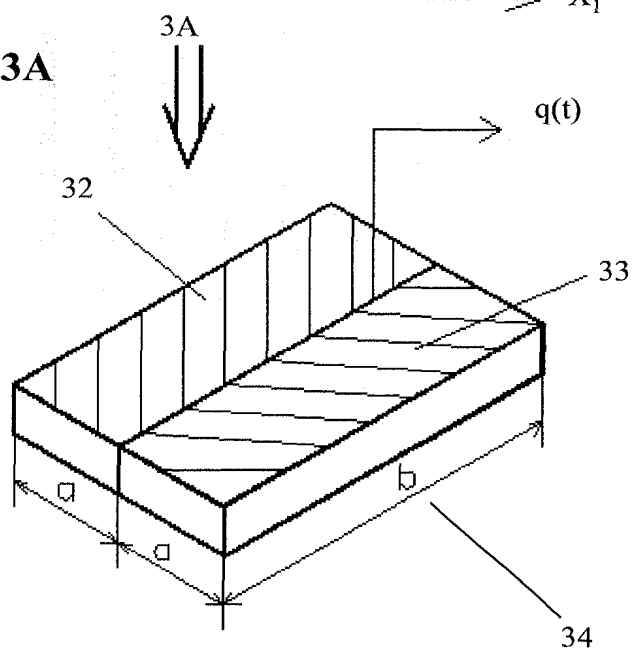


Figure 3B

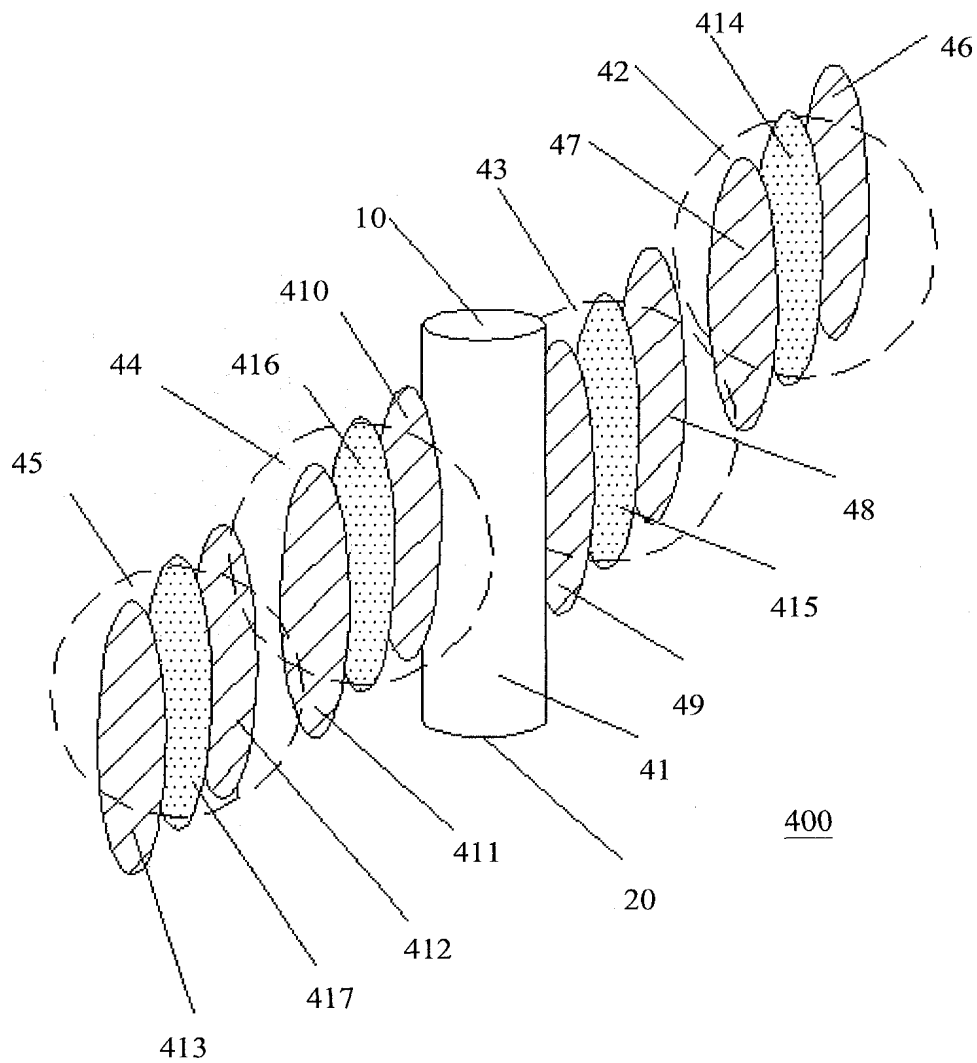
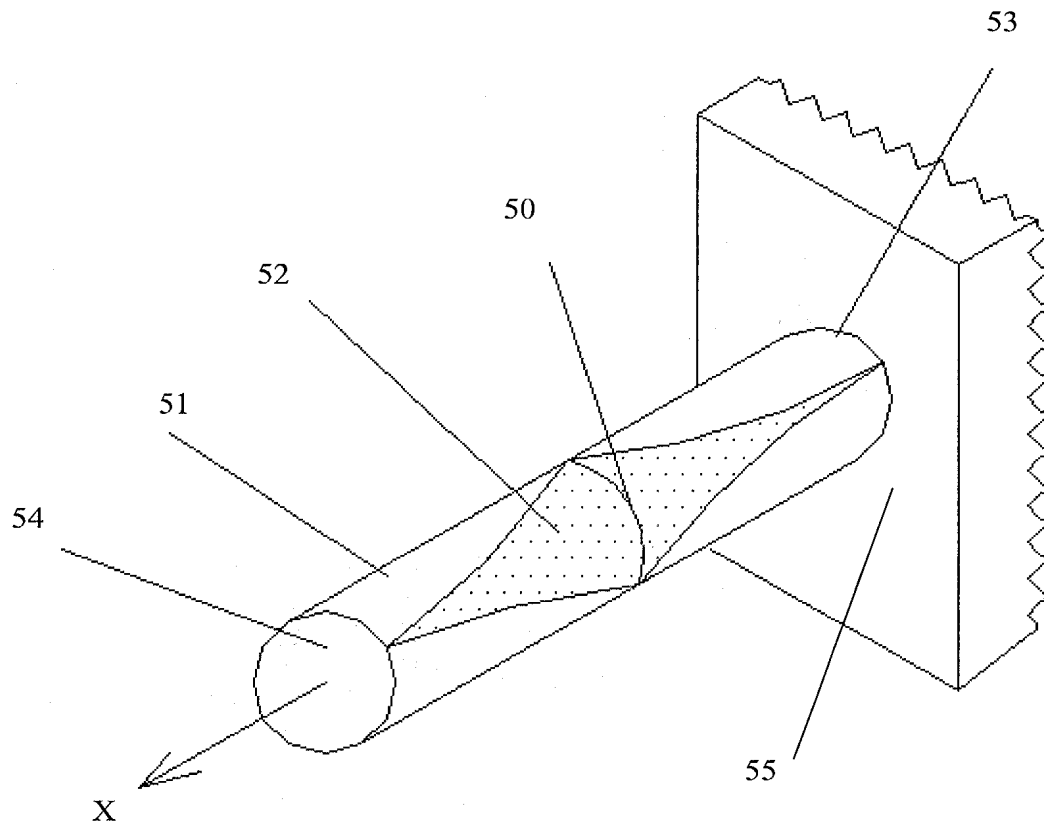
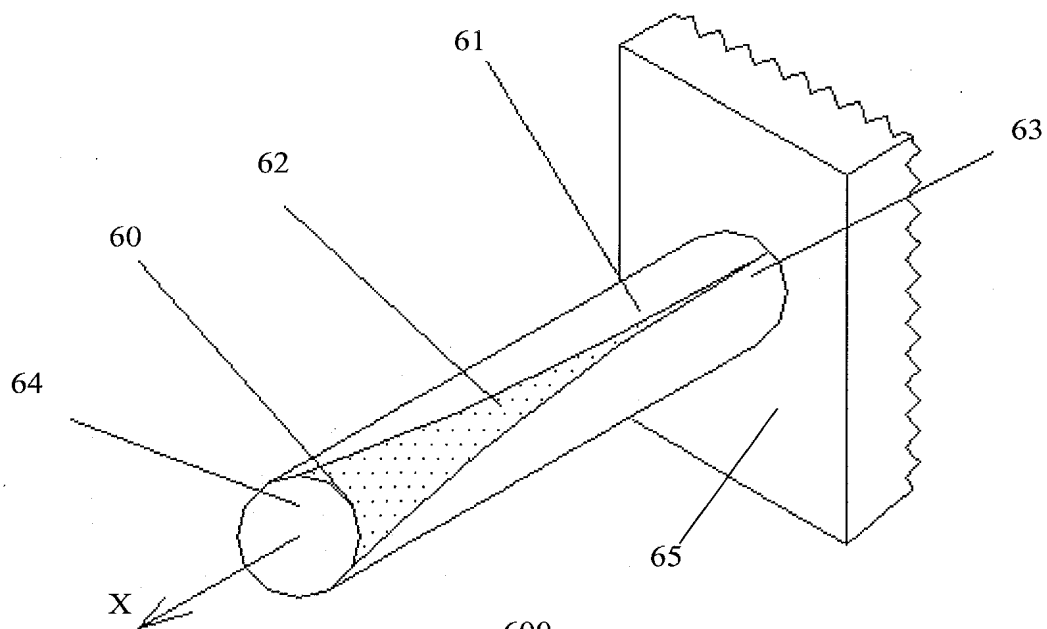


Figure 4



500

Figure 5



600

Figure 6

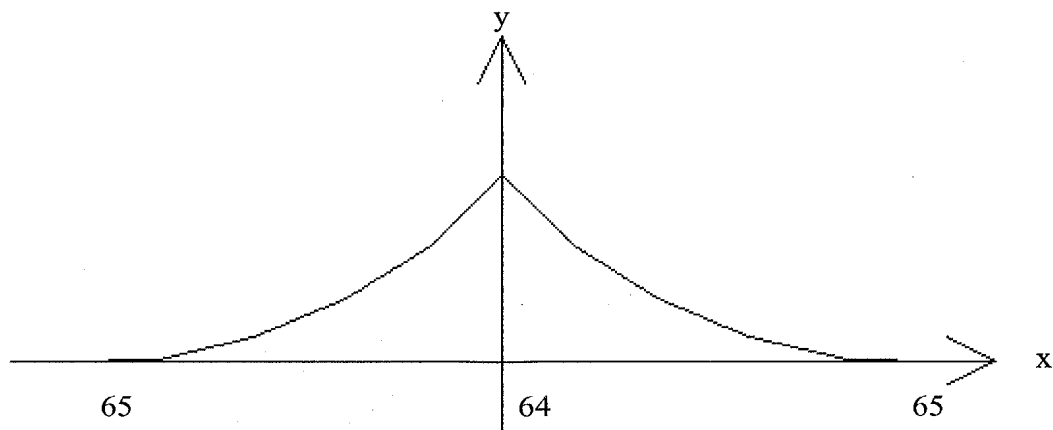


Figure 7

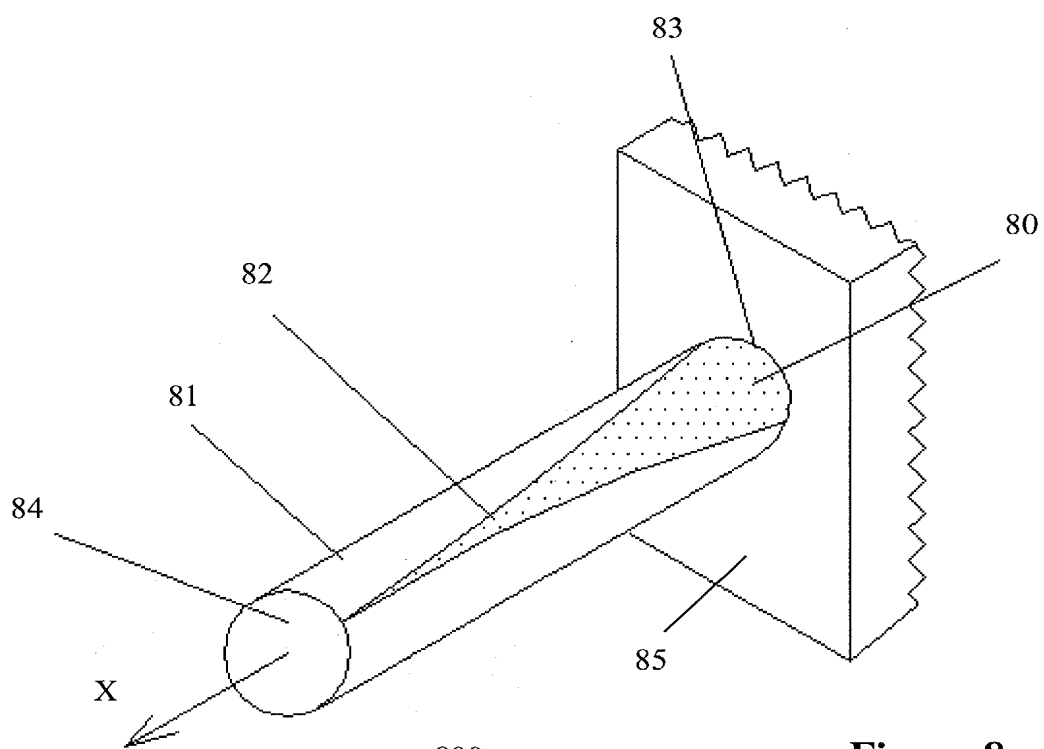


Figure 8

FIG. 800

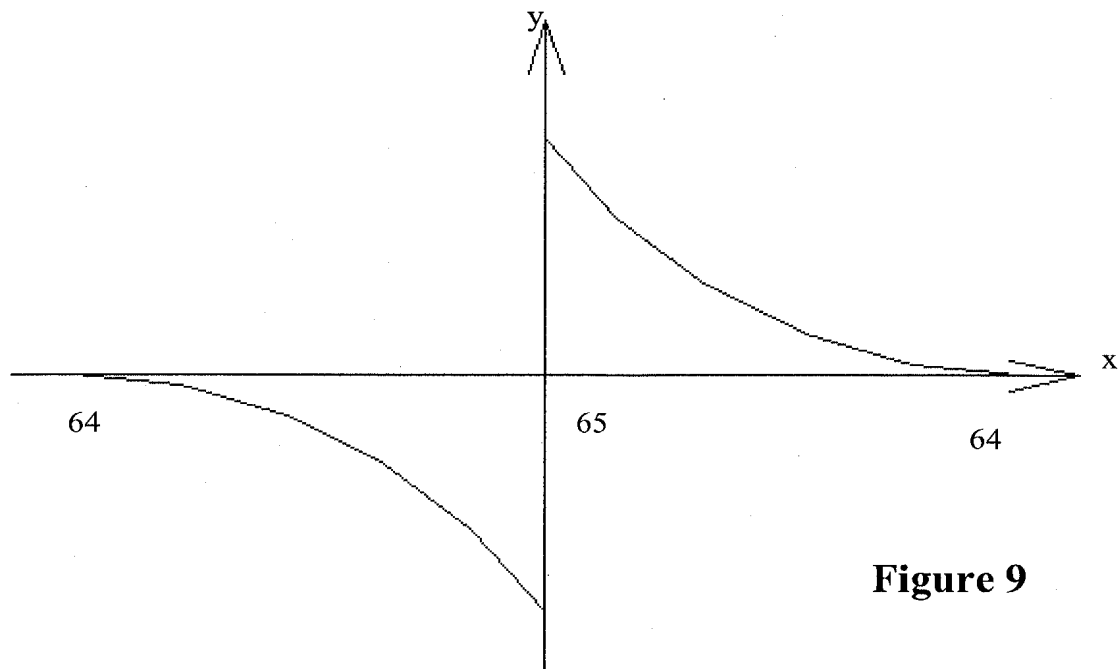


Figure 9

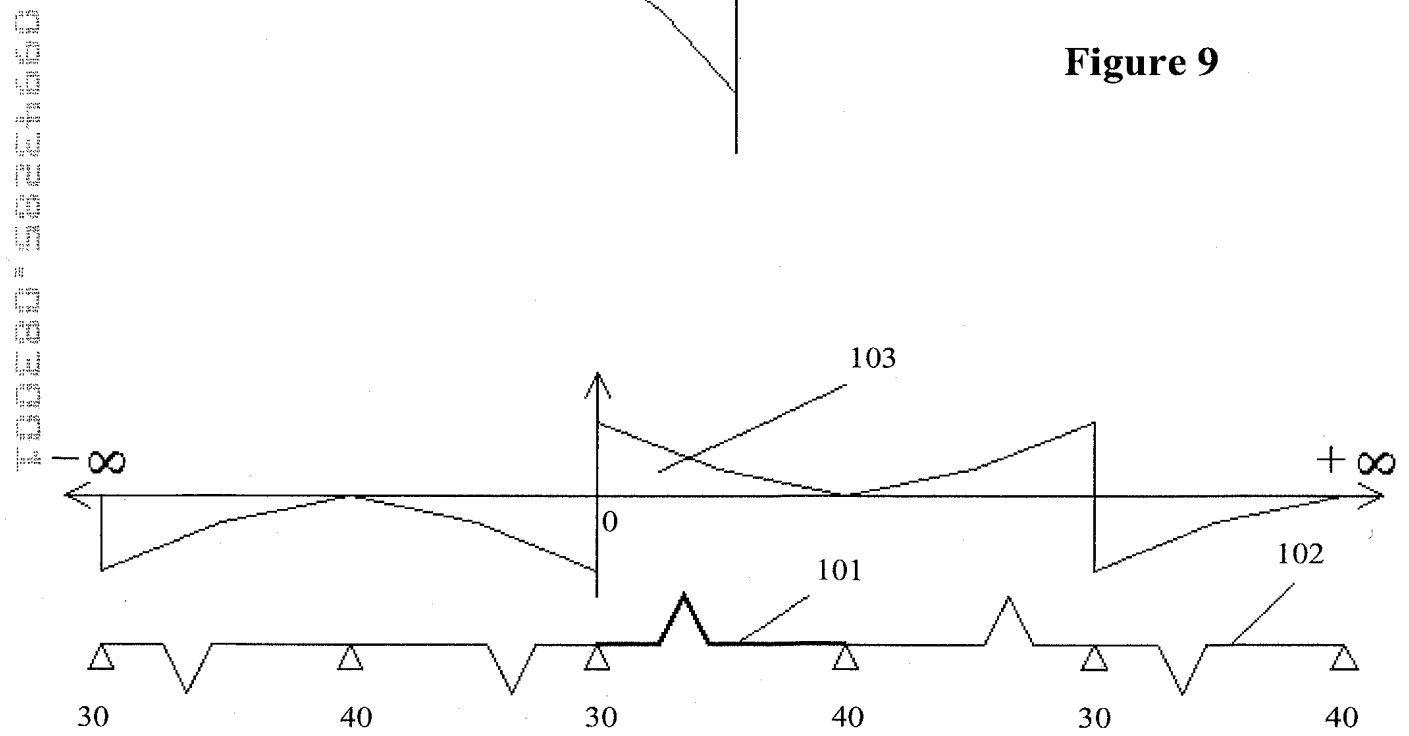


Figure 10

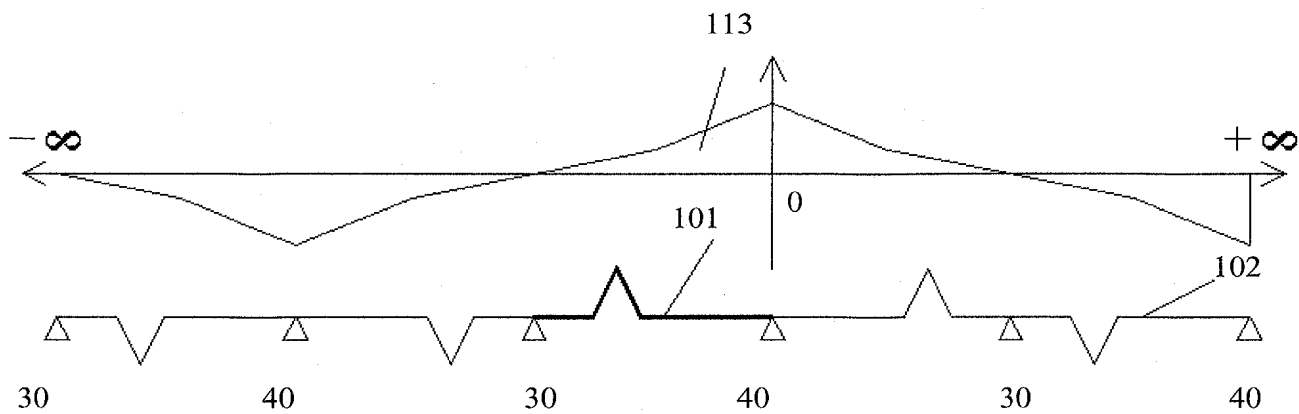


Figure 11

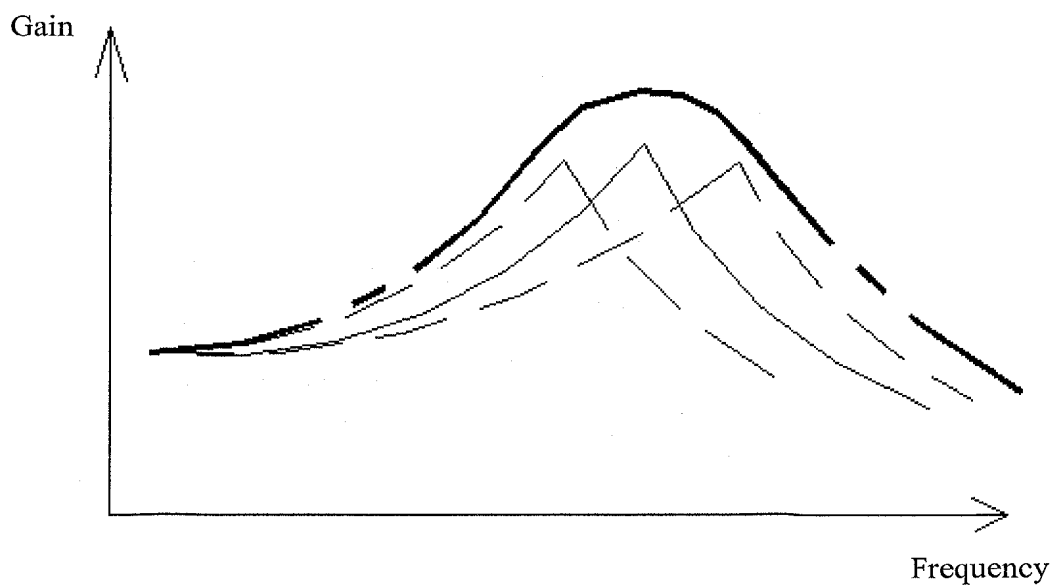


Figure 12

00413285 003001
100000 88221660

Figure 13A

Phase

Frequency

137

Figure 13B

Figure 14

FIGURE 15A

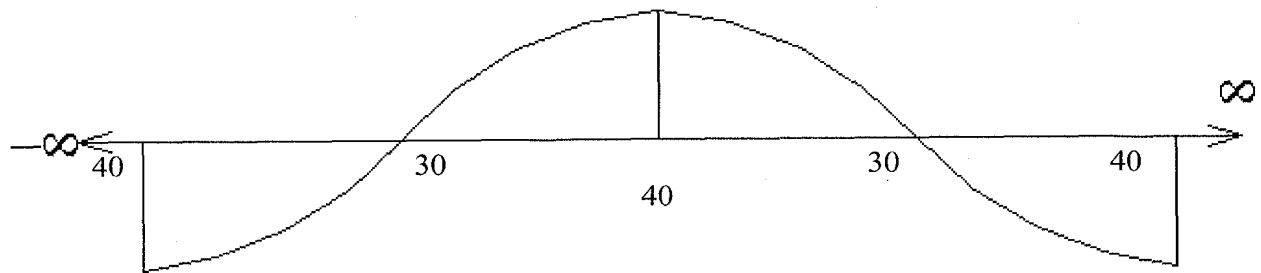
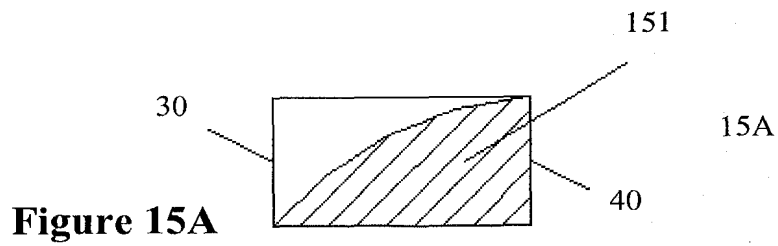


Figure 15B

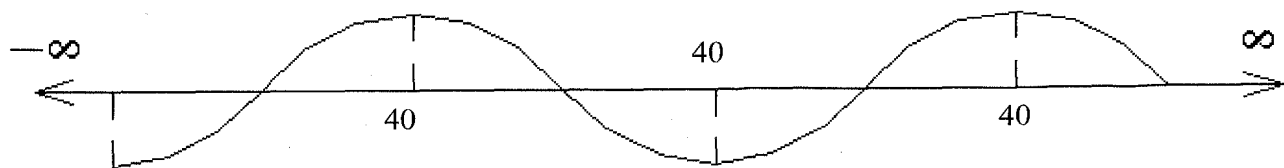
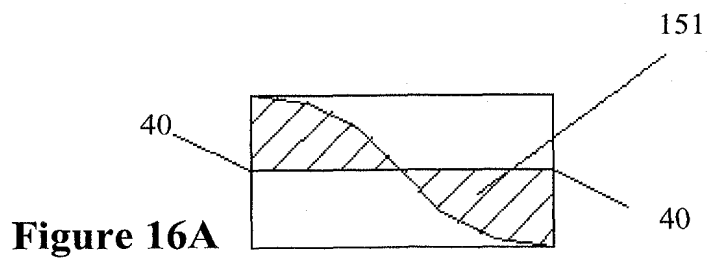
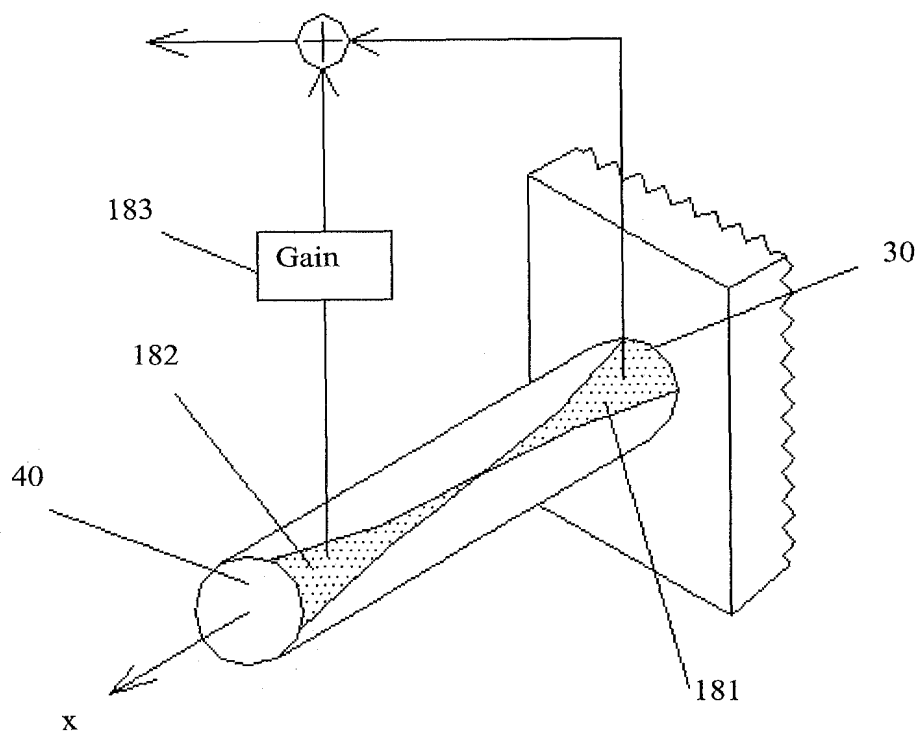
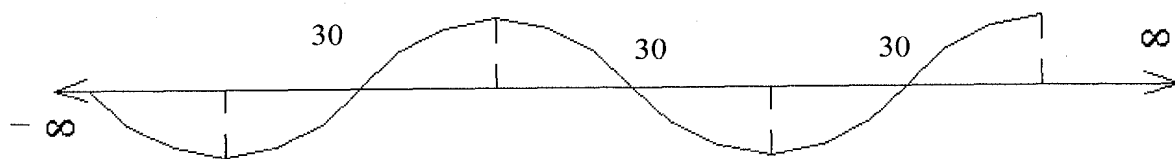
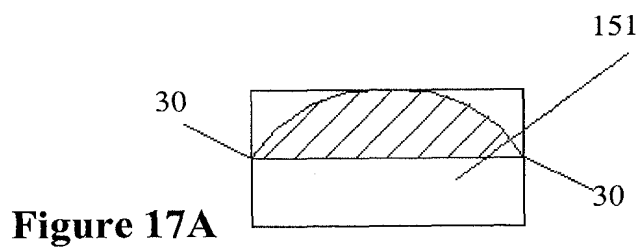


Figure 16B



The Bode plot shows the magnitude response of a system with two poles and one zero. The gain is constant at low frequencies, then decreases at -20 dB/decade after the first pole. At 10 rad/s, a zero is introduced, which flattens the response. After the second pole at 100 rad/s, the gain decreases again at -20 dB/decade. The asymptotic approximation is shown as a dashed line, and the actual magnitude is a solid line. The gain at 191 rad/s is marked.

Figure 19A

Phase

90°

0°

Frequency

192

Figure 19B

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

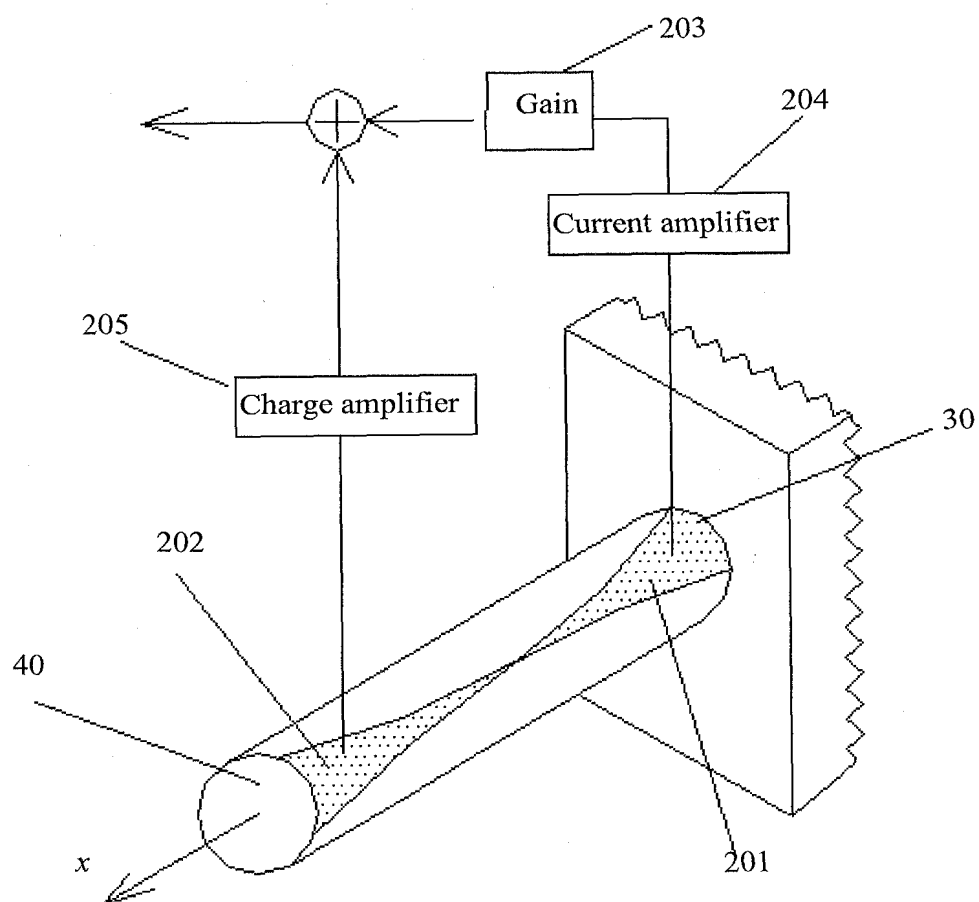


Figure 20

FIG. 21A

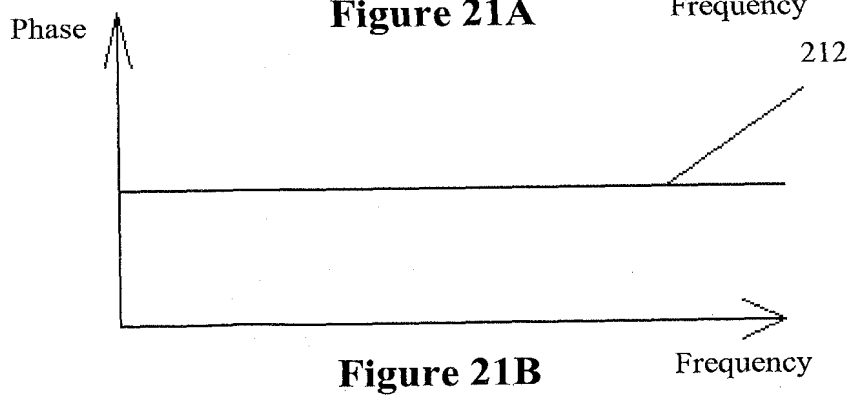
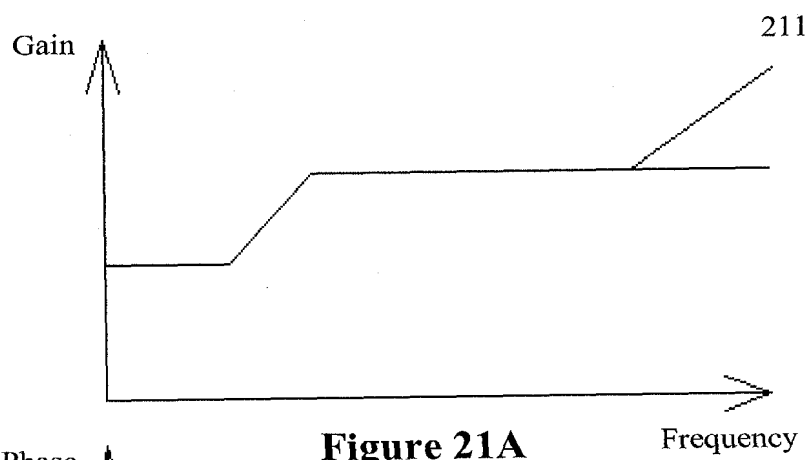


Figure 21

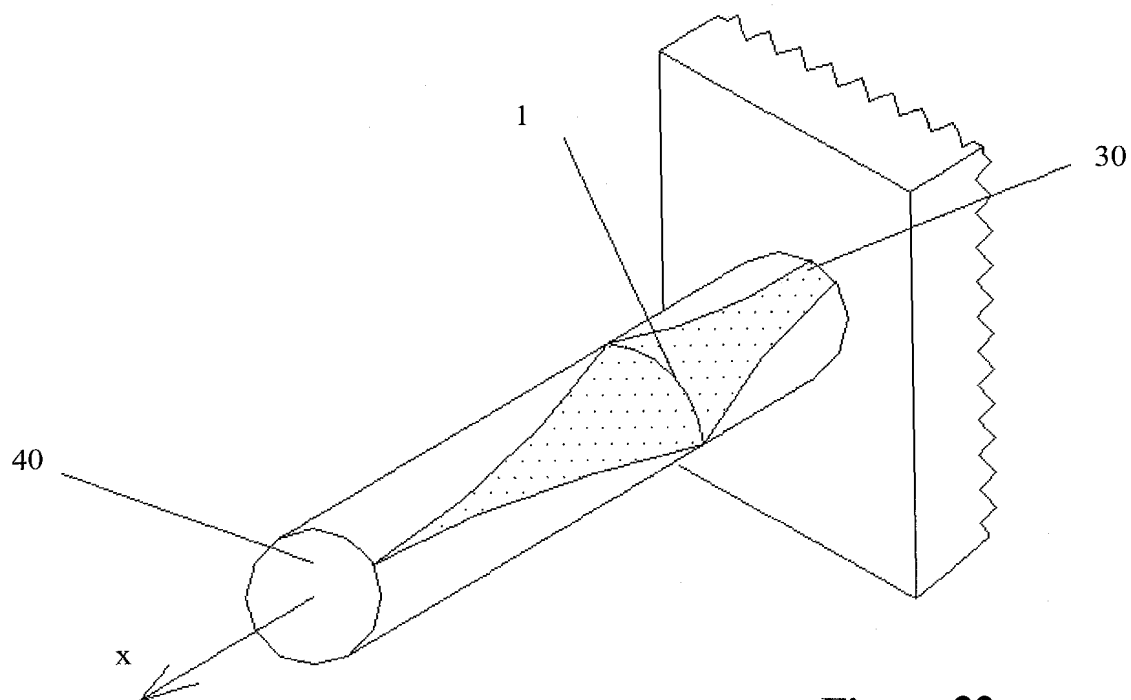


Figure 22

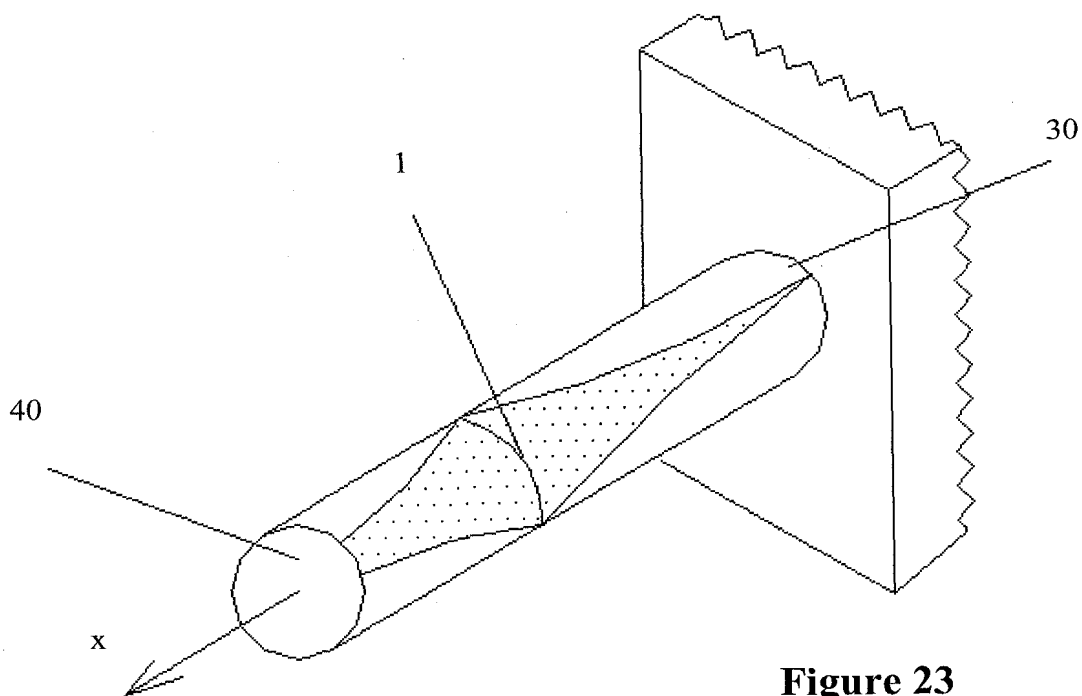


Figure 23

FIG. 24

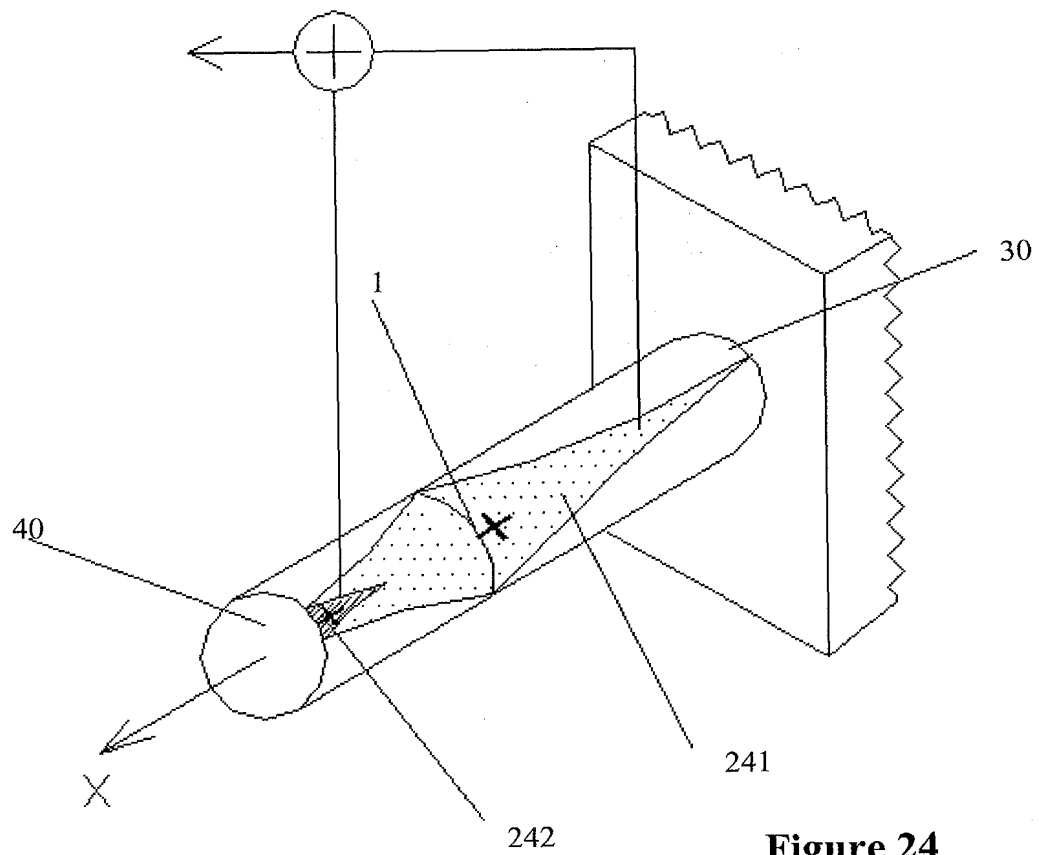


Figure 24

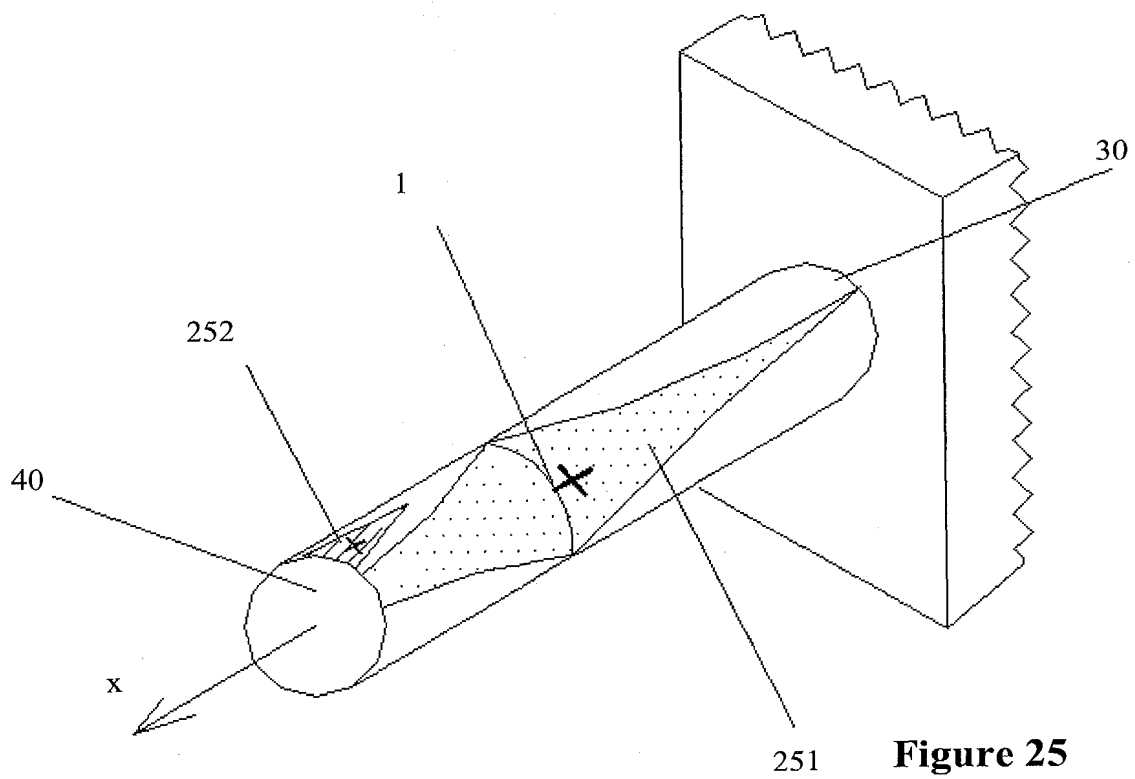


Figure 25

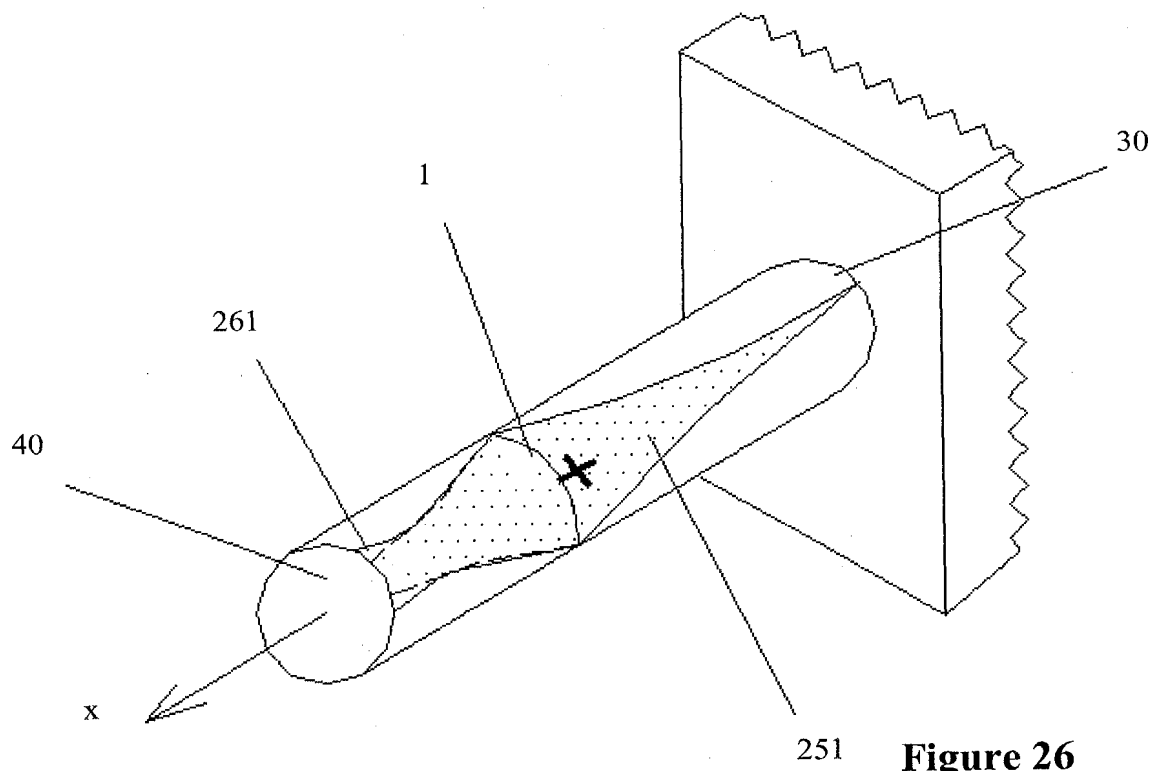


Figure 26

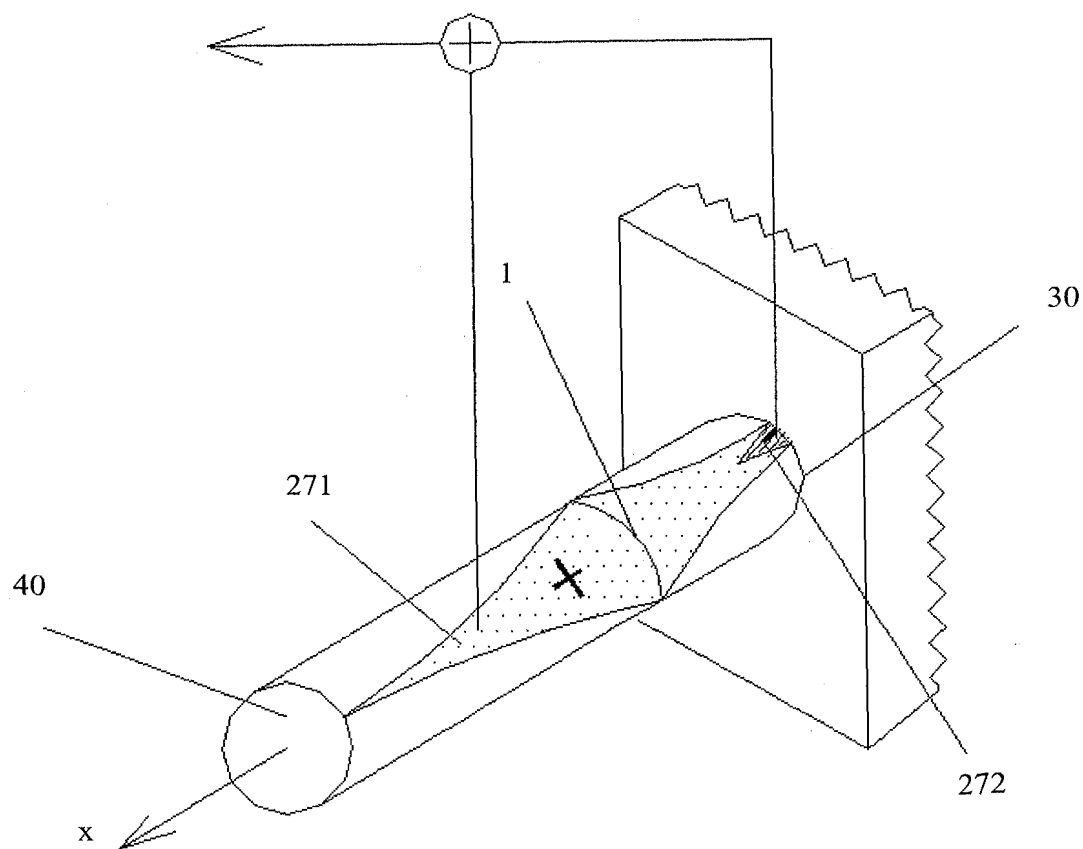


Figure 27

FIG. 28

40

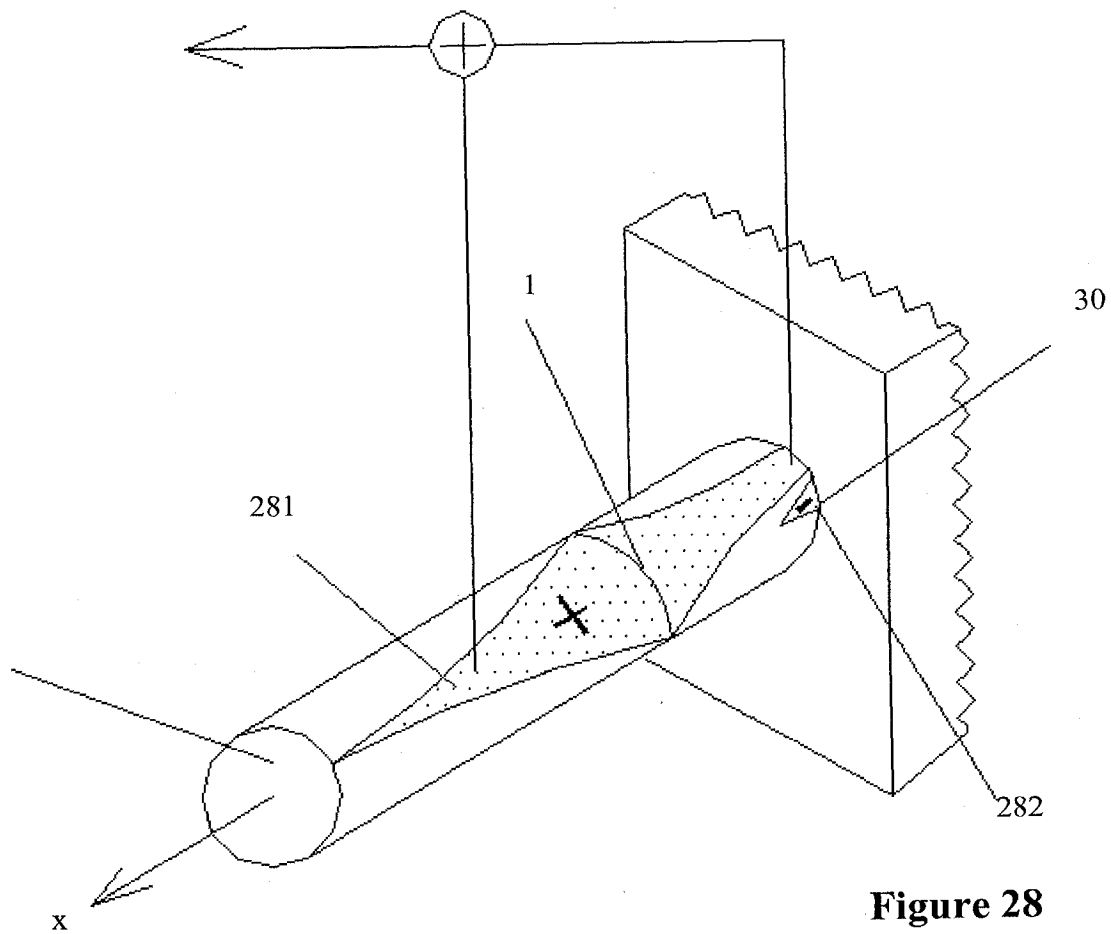


Figure 28

40

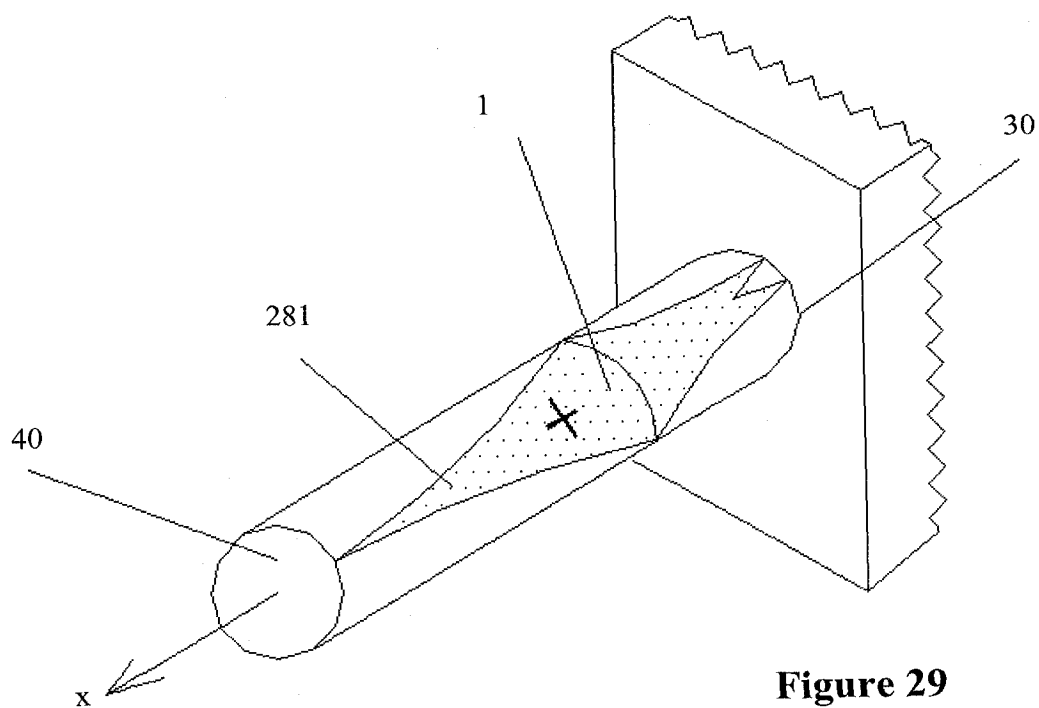


Figure 29

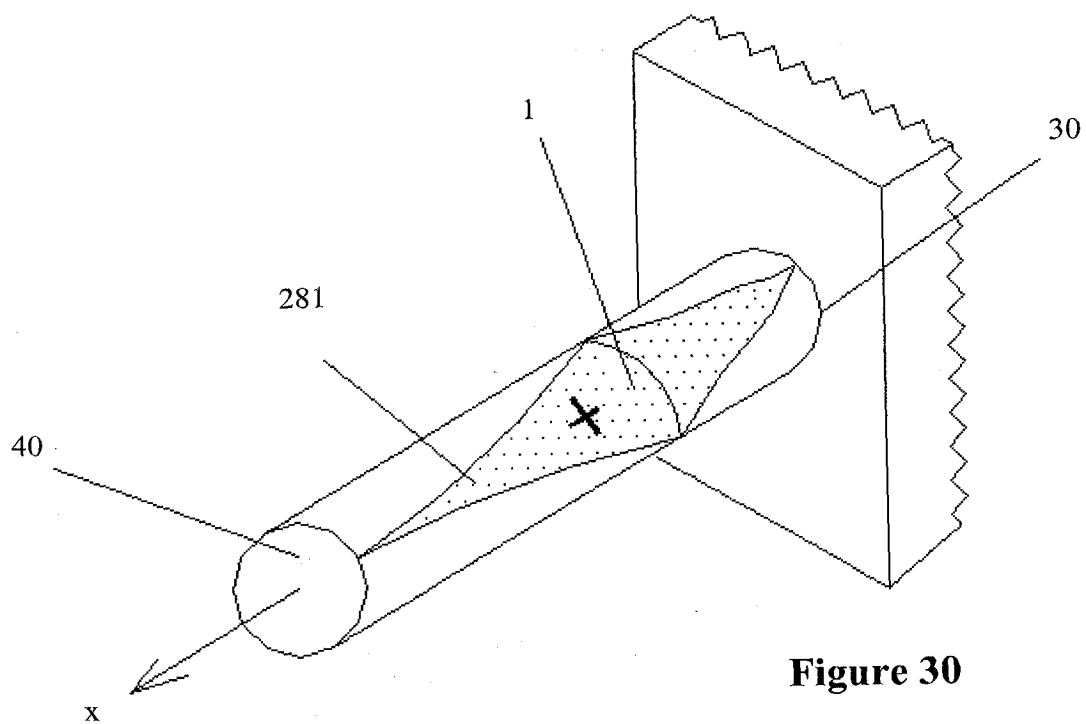


Figure 30

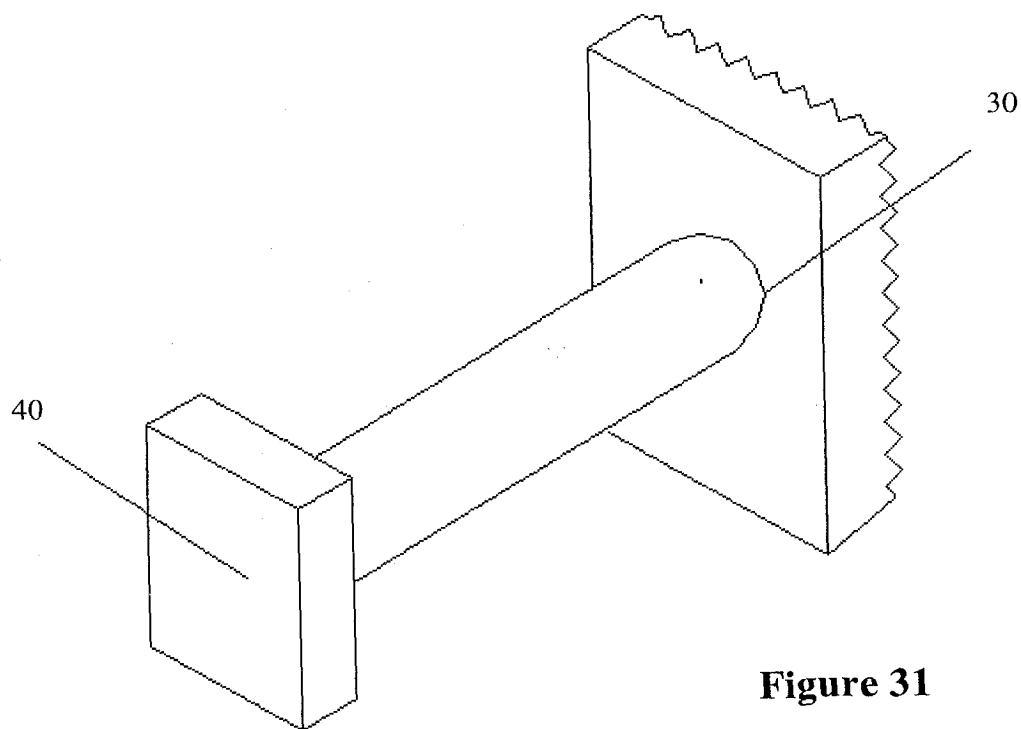


Figure 31

FIG. 30

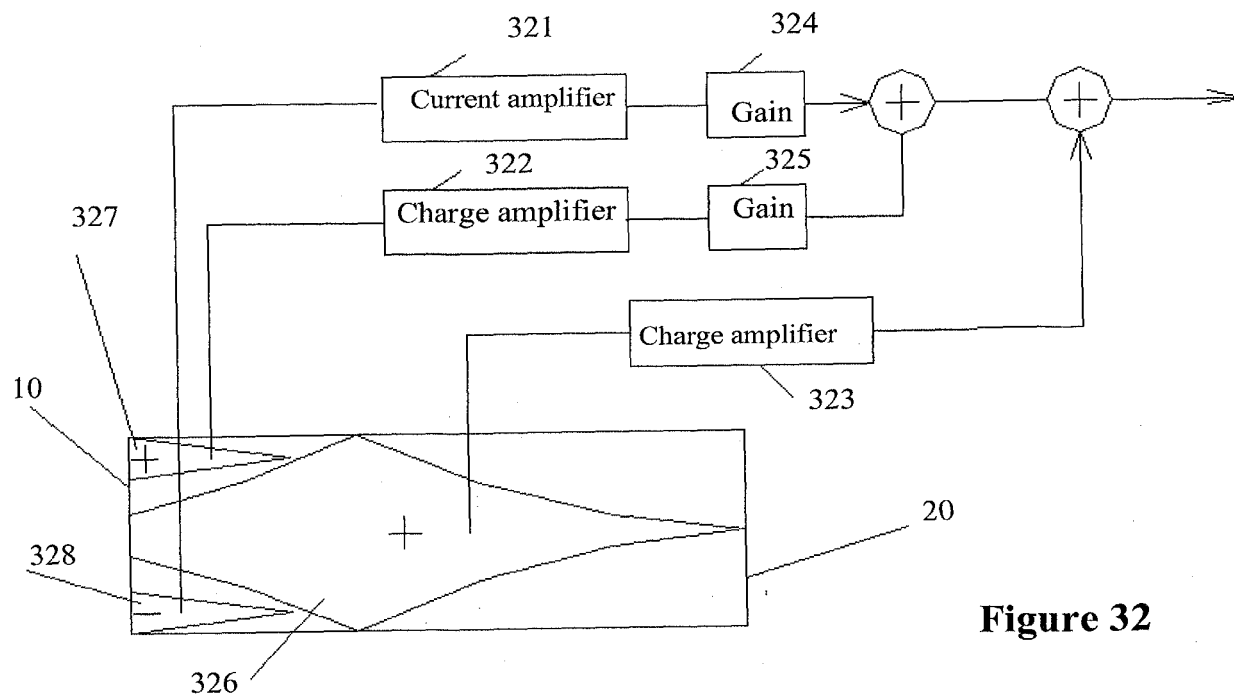


Figure 32

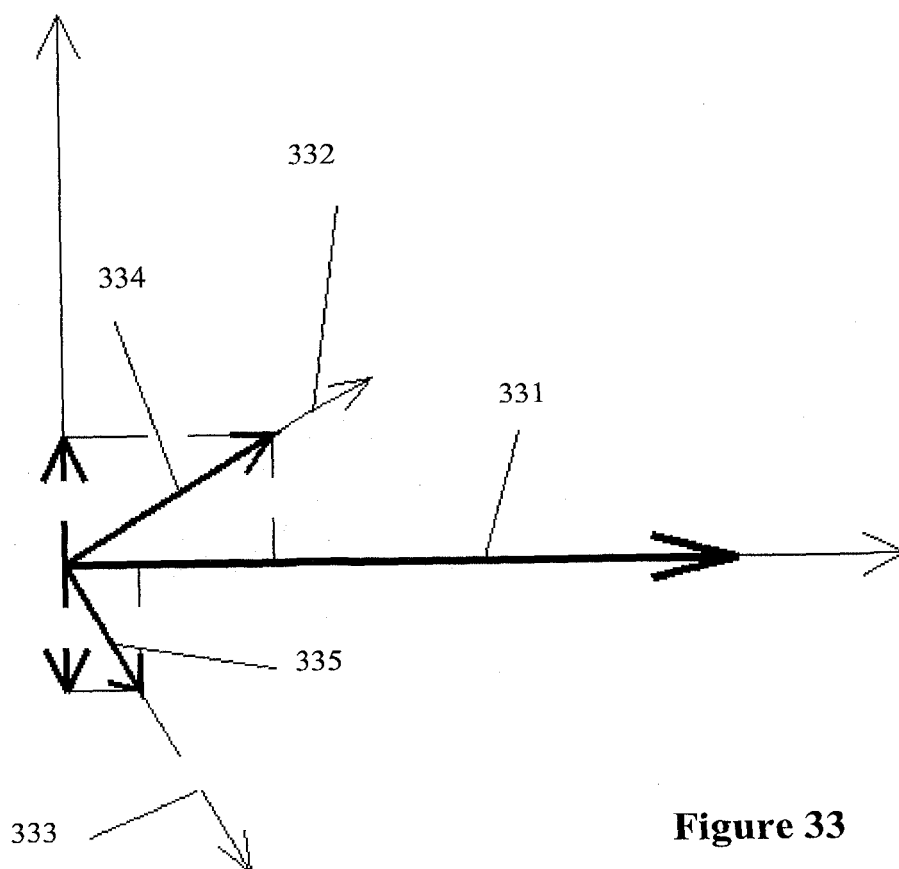


Figure 33

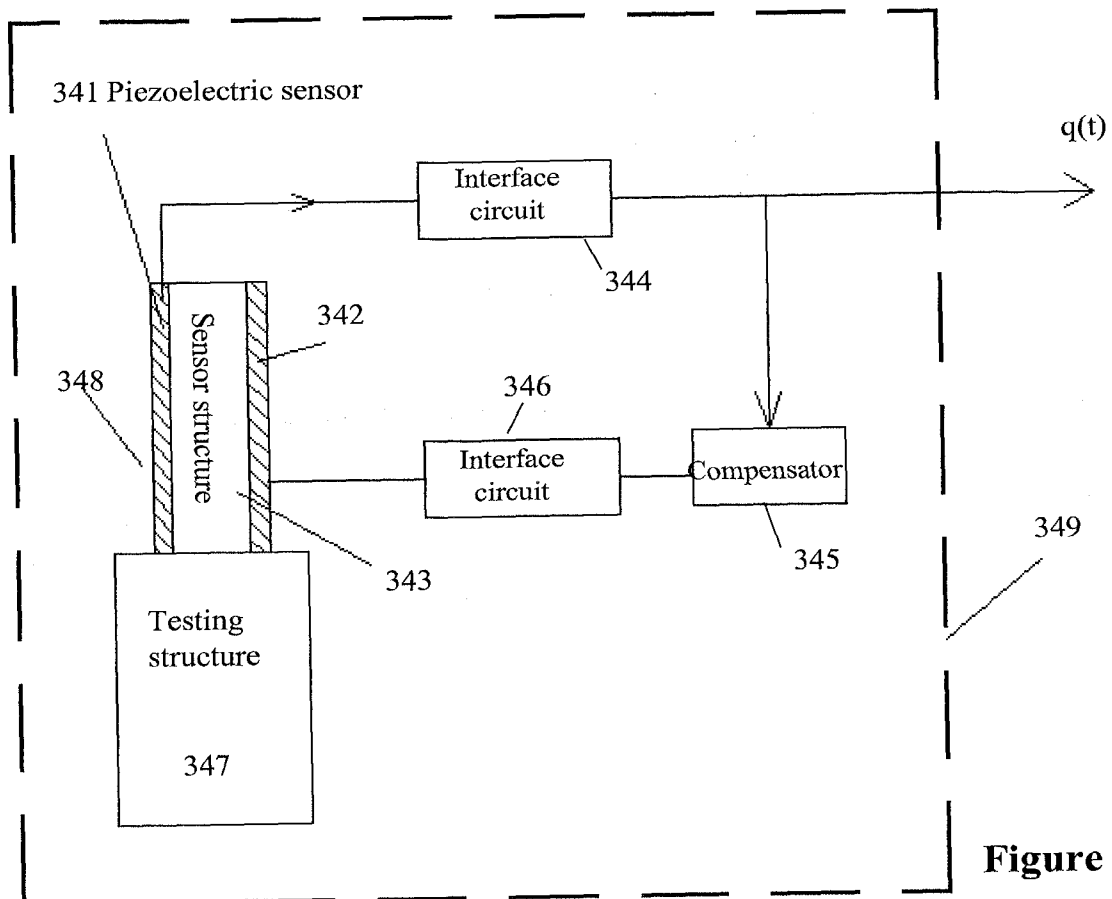


Figure 34

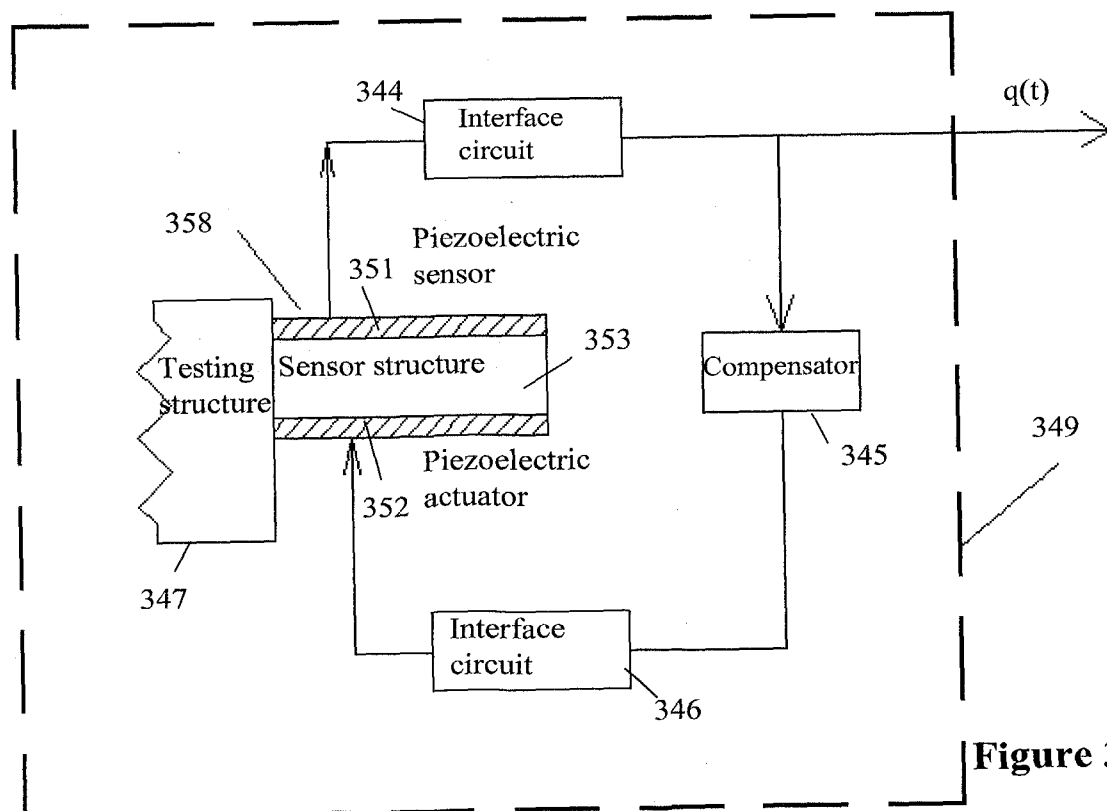


Figure 35

100260 332400

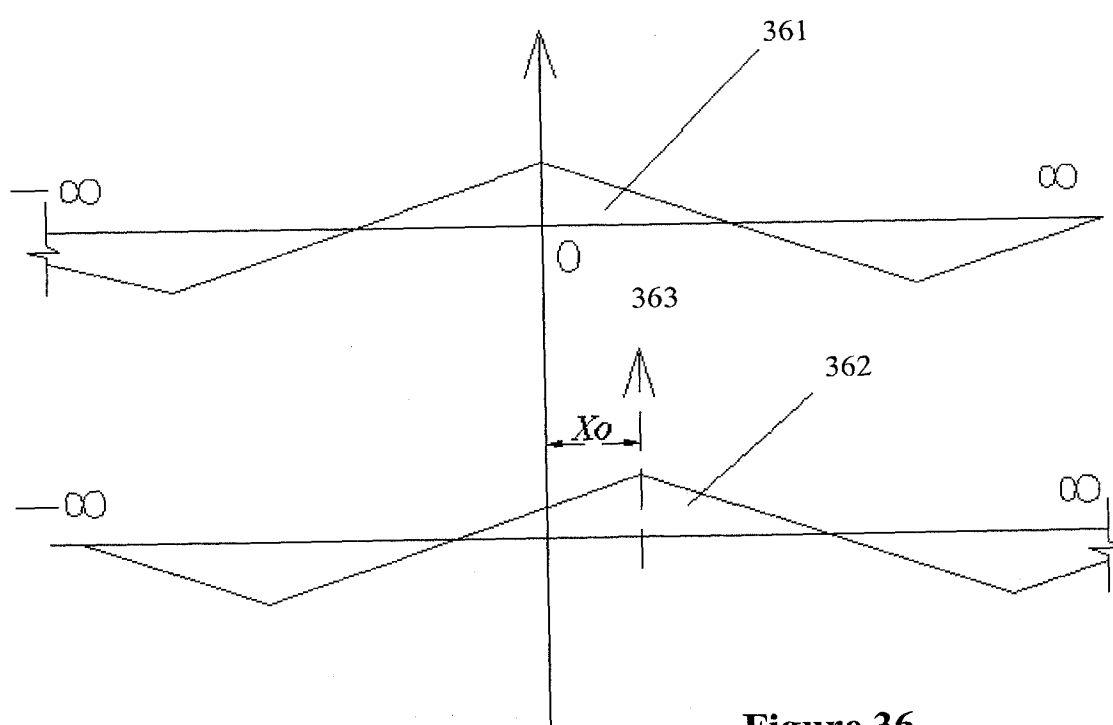


Figure 36